Wiring Diagram & Schematic SAFETY WARNINGS

Safety Alert Symbols

The safety alert symbol (⚠) is used to identify hazards that can result in personal injury. A signal word (**DANGER, WARNING or CAUTION**) is used with the alert symbol to indicate the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard.

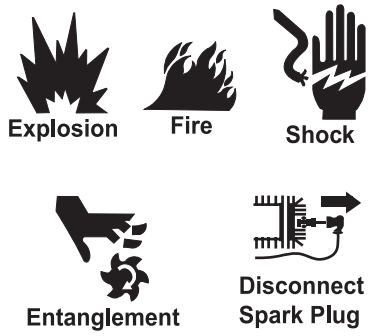
⚠ **DANGER:** Indicates a hazard which, if not avoided **will result in death or serious injury.**

⚠ **WARNING:** Indicated a hazard which, if not avoided **could result in death or serious injury**.

⚠ **CAUTION:** Indicates a hazard which, if not avoided **might result in death or serious injury**.

CAUTION: When used without the alert symbol, indicates a situation that could result in damage to equipment or components.

HAZARD SYMBOLS AND MEANINGS



WD-SCH-01

⚠ DANGER

Generators produce powerful voltages. Failure to isolate generator from power utility can result in death or injury to electric utility workers due to backfeed of electrical energy.

- When testing generators used for backup power, notify utility company.

WD-SCH-05

CAUTION: The measuring equipment used in troubleshooting this equipment should be of industrial quality and should have the sensitivity to measure electronic values to the third decimal. Its accuracy should conform with acceptable industry tolerances. Ensure that all specified tools and/or equipment are available before attempting to troubleshoot.

WD-SCH-03

⚠ DANGER

Physical contact with energized electrical components will result in dangerous and possibly fatal electrical shock.

- Do not touch bare wires or receptacles.

WD-SCH-04

⚠ CAUTION

These wiring diagrams and schematics are intended for use by trained and qualified electrical service technicians who are working in a properly equipped service environment. Familiarity with the proper method of using tools, measuring equipment and service procedures is essential to performing successful troubleshooting and repair of this equipment.

- Only qualified electrical technicians should attempt to service this equipment.

WD-SCH-02

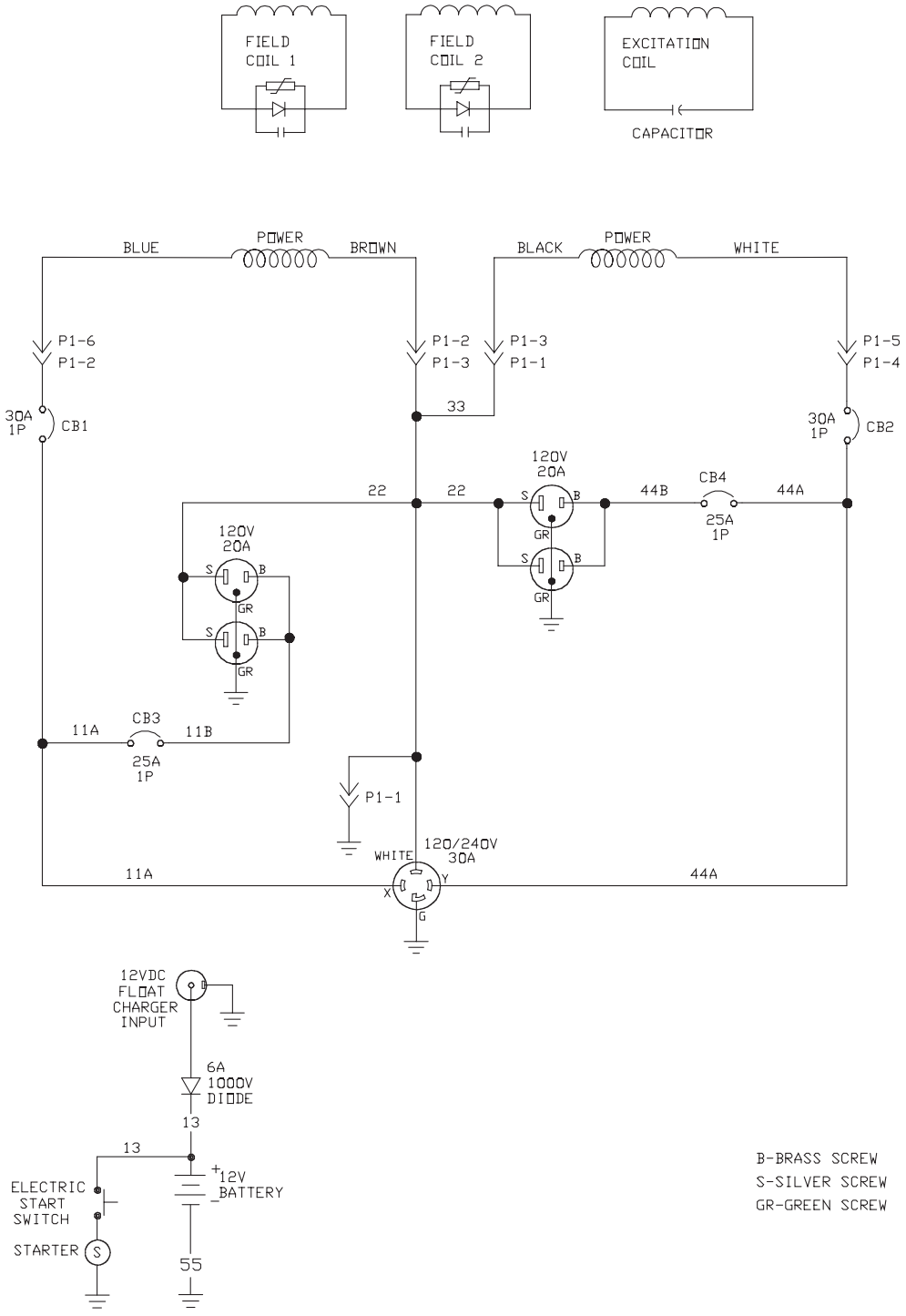
⚠ WARNING

Accidental starting of the unit may cause entanglement or electrocution.

- Where applicable, disconnect the negative (-) battery terminal.
- Disconnect the spark plug wire.
- Remove the control panel fuse when available.

WD-SCH-07

SCHEMATIC


FIELD COIL 1
FIELD COIL 2
EXCITATION COIL
CAPACITOR
BLUE
POWER
BROWN
BLACK
POWER
WHITE
P1-6
P1-2
P1-2
P1-3
P1-3
P1-1
P1-5
P1-4
30A 1P
CB1
33
30A 1P
CB2
120V 20A
22
22
44B
CB4
44A
25A 1P
120V 20A
11A
CB3
11B
25A 1P
P1-1
WHITE
120/240V 30A
11A
44A
12VDC FLOAT CHARGER INPUT
6A 1000V DIODE
13
13
+12V BATTERY
ELECTRIC START SWITCH
STARTER
55
B-BRASS SCREW
S-SILVER SCREW
GR-GREEN SCREW

WIRING DIAGRAM